SBR No. 71/19-20
DATED 7-3-2020

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

EE/ELE/Y/BR No. 71/19-20
Dt. 7-3-2020

No. 1st & Final Bill
Date.....2019

Division: **Electricals (Yelahanka)** Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....
Sub Divisional **Job Code :- 004-18-000091** -
Schedule Docket No. Head of Account : P – Code: **P0303** D.R.No.

Name of Work **:- Maintenance & Repairs to installation of Existing Park Lightings Panel boards and metering in Yelahanka Constituency in Ward no 04. .**

.Name of Contractor and Full Address **M/s Meghana Electricals,**

Reference to Agreement No:EE(Ele)YZ/WO/000003/ 2019-20 Date:- 25 / 04 /2019

Certified that the measurements were taken by me on 14/1/20 and recorded of Pages to of measurement Book No. 2563/18-19 and that the work is satisfactorily executed. 256292 to 295

For MEGHANA ELECTRICALS
Proprietor

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 14/1/20 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer (Ele)
BBMP, Bangalore

Sub-Division Officer

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	Bill = 3,74,050=00
2)	Deduct amount to be held in reserve being .....percent Rs.....	IT 1% 3741 = 00
3)	" Balance	LWC 1% 3741 = 00
4)	Deduct Payment:	CBFO 1% 374 = 00
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No.....	Amount 1% 3340 = 00
	adjusted towards cash advance recovery of	Cost 1% 3340 = 00
	b) Payments Now made { cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	Fine = 37,405=00
		deductions = 51,941=00
		Cheque = 3,22,109=00
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7)	Net amount due to or from Contractor unadjustments items.	
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	
	Total amount adjusted -	

For MEGHANA ELECTRICALS
Proprietor
Contractor's Signature

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

For MEGHANA ELECTRICALS
Proprietor

Witness
1.
2.
Dated Signature of Contractor

(For use in the Office)

ಲೆಕ್ಕಶೀರ್ಷಿಕೆ P0303 Maj&to pump Set 4,1
Stamp ರೂ: 3,74,050=00 ಡೆಬಿಟ್ ಮಾಡಿ ಪ್ಲೇಕಿಸಿದ
ರೂ: 322,109=00 ಚೆಕ್ ಅಧಿಕಾರಿಯಾಗಿ
ರೂ: 51,941=00 ಹೊಂದಾಣಿಕೆ ಮಾಡಿದೆ

ಲೆಕ್ಕ ಅಧಿಕ್ಷಕರು
ಕಾ.ಪ.ಅ.(ವಿ) ಯಲಹಂಕ ವಲಯ

Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....Initials of Officer making payme

Sl. No		Unit
	Name Of Work:- Maintenance & Repairs to installation of Existing Park Lightings Panel boards and metering in Yelahanka Constituency in Ward no 04.	
1	Transporting and erecting of 3.5 Mtrs long Swged Tubelor park poles including Digging of pit 45x45x100cms & providing 1:2:4 concrete of size 35x35x130 cms Including coping as per the detaild enclosed civil estimate & drawimg	Nos
2	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanished, steel wire/steel tap armoured cable with PVC outer sheating 1.1 KV class.I. Class 'A' PVC Cable. 4 core 16 sqmm	Mtrs
3	Labour charges for laying of 1.1 KV class UG cable when supplied agency in existing trench GI pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct. 6 sqmm to 16 sqmm	Mtrs
4	Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete. (As perCivil SR KSRB I-2, P-7).a) In soil (ordinary)	Mtrs
5	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and **Copper** conductor single core cable in open or consealed system of wiring.I Group A Materials.b)1.5 sqmm	Mtrs
6	Supply and fixing of 4-pole power contactor with NO/NC contacts on existing wood / panel board using necessary bolts, nuts, washers and wiring etc., complete. d) 100-125 Amps	Nos
7	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and Complete wiring as required confirming IEC 60898. 6) 40-63 Amps TPN	Nos
8	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and **Copper** conductor single core cable in open or consealed system of wiring.I Group A Materials.g)16 sqmm	Mtrs
9	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm	Mtrs
10	Fabricating supplying and mounting MS box made out... SWG suitable for floor/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size cdlamps with mecessary cable entry pipe with gland and box should be finished with 2 cdoats of red oxide primer paint and finally finished with approved colour enameled metal pain etc., complete. b)16 swg	Sqcm
11	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps 25kA.	Nos
12	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.63Amps	Nos
13	Supplying and fixing electro mechanical timer (without contactor) using necessary bolts, nuts and waqshers etc.. Group A, PWD Elec SR 2006-07.	Nos
14	Fabricating, supplying and erecting swaged tubular pole of height ...Mtr having three sections, and providing two coats of red oxide paint and finished with two coats of enameled paint of approved quality and colour and M.S. base plate of suitable size welded at the bottom of the pole(as per IS) and 40mm dia GI / flexible PVC pipe of 1 mtr length fitted to the heavy gauge polycarbonate control box including 5way connector of size 167x125x82mm for 7.5M pole/200x160x98mm for remaining length of pole with front opening cover, with locking arrangements and suitable capacity MCB / DP switch, The pole shall be erected in cement concrete work (1:2:4) including excavation and refilling of planting depth of the pole to the ground level and the coping CC shall be up to 0.6M above ground level as per IS 2713 - 7. Erection of heavy duty pole on Footpath / median. 9Mt (5Mt Hb,165.1mm dia 4.85mm thick x2M Hm, 139.7mm dia 4.50mm thick x 2M Ht,114.3mm dia 3.65mm thick) as per IS 410 SP 32	Nos

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty	Cost	Qty	Rate	Amount	Qty	Cost	
		10	729.00	7290.00	10	7290.00	
		376	105.30	39592.80	376	39592.80	
		376	8.10	3045.60	376	3045.60	
		345	58.50	20182.50	345	20182.50	
		194	11.92	2312.48	194	2312.48	
		6	7436.25	44617.50	6	44617.50	
		12	1452.00	17424.00	12	17424.00	
		57	99.00	5643.00	57	5643.00	
		49	197.25	9665.25	49	9665.25	
		174562	0.25	43640.50	174562	43640.50	
		6	3033.00	18198.00	6	18198.00	
		18	175.50	3159.00	18	3159.00	
		6	3150.00	18900.00	6	18900.00	
		4	11250.00	45000.00	4	45000.00	

15	Supplying of LED Floodlight with .....W System Power consumption pressure die cast aluminum housing with powder coating with IP 65 protection. 1, 200-275V voltage with electronic Driver, PF>0.9, should meet ANSI 2G Vibration test, Compliance to UL/CE with Class I. System rating shall be 50K hrs. @ Lumen maintenance of 70%, system efficacy > 80lm/w. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer.LED Floodlight 90W	
16	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole .Upto 5Mtr street light pole.	Nos
17	KSRB 4-1 .1: Providing and laying in position plain cement concrete of cum 5,004.00 mix 1 :2:4 with ope cement @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @O.B7Bcum and fine aggregates @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms.thick, well compacted, in foundation, including cost of all materials,labour, HOM of machinery, curing complete as per specifications Specification No. KBS 4.1, 4.2	Cumt
	Total Rs	

Certificate: 1. Certefied that the Above Work has been carreid out satisfactorily

Assistant Executive Engineer (Ele)
BBMP, Bangalore

		8	10984.50	87876.00	8	87876.00	
		10	375.00	3750.00	10	3750.00	
		1	3753.00	3753.00	1	3753.00	
				374049.63		**374049.63**	